

Date: Friday, 9/21/2007 1:18:29 PM  
User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SADDLE FITTING, FWD (OUTBOARD/INBOARD)
Job Number : 34812	
Estimate Number : 10530	
P.O. Number : <i>N/A</i>	Part Number : D2571
This Issue : 9/21/2007 S.O. No. : <i>N/A</i>	Drawing Number : D2571 REV E
Prsht Rev. : NC	Project Number : N/A
First Issue : 9/21/2007 Type : MACHINED PARTS	Drawing Revision : E
Previous Run : 34748	Material : <i>N/A</i>
Written By : <i>[Signature]</i>	Due Date : 10/18/2007 Qty: 8 Um: Each
Checked & Approved By : <i>[Signature]</i>	
Comment : Est: 102.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572 KJ	

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101007	7075-T7351 8.25X7.75X2.5
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)  
7075-T7351 8.25X7.75X2.5  
Make from D6101-007 billet for D2571  
Ensure that grain is along 7.75" length  
Batch No: *63389*

*88 04/10/25*

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1  
Program Batch No. *88* Double check by: *J.F.*

- 1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
- 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
- 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
- 4-Deburr and remove all machining marks
- 5-Tumble to remove sharp edges.

*JL 88 02/10/25*

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE  
Machine keyway as per dwg D2571 & D2572

*JL 07/10/28*

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

*JL 07/10/28*

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA:   D   Date:   8/10/30  

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 9/21/2007 1:18:29 PM  
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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, FWD (OUTBOARD/INBOARD)

Job Number: 34812

Part Number: D2571

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

*OK 07/10/28*

⑧

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

*FL 07/10/29*

⑧

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

*M 105088*

*BL 07-10-29*

⑧

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

*07/10/30*

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: *ST432*

*⑧ 07/10/30*

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

*⑧ 07/10/30*

Job Completion



*U 07-10-30*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	34812
<b>Description:</b> Saddle, Fwd Outboard	<b>Part Number:</b>	D2571
<b>Inspection Dwg:</b> D2571 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	.440	.442	.442	.442		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.001	8.001	8.001		
F	0.490	0.510		.500	.498	.500	.502		
G	0.257	0.262	DT8683	.258	.258	.258	.257		
H	0.375	0.380	DT8684	.376	.375	.375	.375		
I	0.490	0.510		.502	.503	.500	.504		
J	1.174	1.184		1.180	1.180	1.180	1.180		
K	0.558	0.578		.564	.570	.570	.569		
L	1.174	1.184		1.180	1.180	1.180	1.180		
M	1.490	1.500		1.500	1.500	1.500	1.500		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		.126	.123	.123	.123		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.252	.252	.253	.251		
S	0.115	0.135		.130	.130	.130	.124		
T	0.178	0.198		.188	.187	.188	.188		
U	2.940	2.980		2.962	2.961	2.962	2.962		
V	0.230	0.250		.240	.240	.245	.242		
W	0.115	0.135		.121	.123	.123	.116		
X	0.308	0.313		.313	.313	.312	.311		
Y	0.760	0.765		.763	.763	.763	.763		
Z	0.352	0.372		.365	.365	.365	.365		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.620	.628	.625	.626		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.250	.250	.250	.252		
AE	1.375	1.395		1.382	1.381	1.380	1.381		
AF	0.115	0.135		.125	.125	.125	.135		
AG	0.240	0.280		.250	.250	.250	.250		
AH	0.240	0.260		.250	.250	.250	.258		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by: JS	Audited by: JML
Date: 02/10/25	Date: 07/10/28

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	<b>34812</b>
<b>Description:</b> Saddle, Fwd Outboard	<b>Part Number:</b>	<b>D2571</b>
<b>Inspection Dwg:</b> D2571 Rev. E		<b>Page 1 of 1</b>

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	SA	26	27	28		
A	0.438	0.443	<del>DT8682</del>	.442	.442	.442	.442		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.001	8.001	8.000	8.001		
F	0.490	0.510		.498	.501	.502	.502		
G	0.257	0.262	DT8683	.257	.257	.257	.257		
H	0.375	0.380	<del>DT8684</del>	.375	.375	.375	.375		
I	0.490	0.510		.501	.502	.502	.504		
J	1.174	1.184		1.180	1.179	1.179	1.179		
K	0.558	0.578		.569	.568	.568	.569		
L	1.174	1.184		1.180	1.179	1.179	1.179		
M	1.490	1.500		1.500	1.500	1.500	1.500		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		.122	.120	.123	.122		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.249	.249	.250	.250		
S	0.115	0.135		.125	.123	.125	.127		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.962	2.962	2.962	2.962		
V	0.230	0.250		.244	.245	.241	.238		
W	0.115	0.135		.117	.117	.116	.120		
X	0.308	0.313		.311	.311	.311	.311		
Y	0.760	0.765		.763	.763	.763	.763		
Z	0.352	0.372		.365	.365	.367	.368		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.628	.627	.626	.627		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.253	.255	.250	.248		
AE	1.375	1.395		1.381	1.380	1.384	1.387		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.250	.250	.250	.250		
AH	0.240	0.260		.257	.259	.256	.253		
AI	2.000	2.020		2.000	2.000	2.000	2.002		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									







Measured by:	<i>SL</i>	<i>SL</i>
Date:	<i>07/10/26</i>	<i>07/10/28</i>

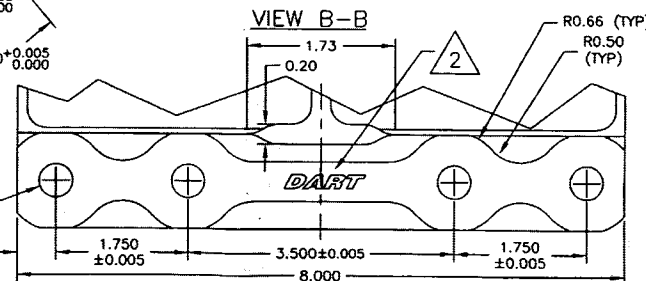
Audited by:	<i>QML</i>
Date:	<i>07/10/28</i>




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A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>JA</i>

05.12.6

MATERIAL: 7075-17351 (QQ-A-250/12) (REF DART SPEC. D6102-001)  
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1  
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART  
QSI 005 4.3  
BREAK ALL SHARP EDGES 0.010 TO 0.020  
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- |   |   |
|---|---|
|  | ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010  |
|  | ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD 0.125  |
|  | CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)   |
|  | CHAMFER 0.063" x 45° ALL AROUND   |
|  | CHAMFER 0.033" x 45° (SEE DETAIL C)  |



E	05.07.13	ADD CHAMFER ON RIDGE, NOTE 5
D	02.09.06	ADD RIDGES: TIGHTEN TOLERANCES
C	99.10.22	INCRP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DRAWN BY	 <b>DART AEROSPACE LTD.</b> <small>HARRISBURY, ONTARIO, CANADA</small>
OS	PH	
CHECKED	APPROVED	DRAWING NO.
		D2571
DATE		TITLE
05.07.13		OUTER FWD SADDLE
		REV. 1 OF 1
		SCALE
		2:

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DETAIL C  
SCALE 4:3

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